

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Group Art Unit: To be Assigned
Examiner: To be Assigned

In Re PATENT APPLICATION Of:

Applicant	:	Seiichi KAWADA)
)
Appln. No.	:	Divisional of Serial No. 09/717,082)
)
Filed	:	Herewith) <u>PRELIMINARY</u> <u>AMENDMENT</u>
)
For	:	CARRIER REEL, CARRIAGE METHOD USING THE CARRIER REEL, AND METHOD FOR MANUFACTURING ELECTRONIC DEVICE)
)
Attorney Ref.	:	OKI 268D2) _____

Commissioner for Patents
Washington, D.C. 20231

Sir:

Preliminary to examination, please amend the application as follows:

IN THE CLAIMS

Please cancel claims 1-15 and add the following new claims 16-35:

--16. A carrier reel, comprising:

a hub portion that reels a carrier tape, the carrier tape accommodating a plurality of electronic components therein;

a first accommodating portion, which accommodates a desiccant and is formed in the hub portion.

17. The carrier reel according to claim 16, further comprising:

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a flange portion having a first surface and a second surface, the second surface being opposed to and substantially parallel to the first surface, wherein the hub portion is connected between the first and second surfaces.

18. The carrier reel according to claim 17, further comprising:

a bearing portion formed in a center of the hub portion and substantially perpendicular to the first surface or the second surface.

19. The carrier reel according to claim 18, further comprising:

a second accommodating portion, which accommodates a desiccant and is formed in the hub portion, wherein the second accommodating portion is disposed symmetrically with respect to said bearing portion.

20. The carrier reel according to claim 16, wherein the electronic components are semiconductor devices sealed by a resin.

21. The carrier reel according to claim 16, the electronic components are sensitive to humidity.

22. The carrier reel according to claim 16, wherein the hub portion is formed of polystyrene or a recycling material having the same quality (must use term that indicates what does "quality" is intended to mean here).

23. The carrier reel according to claim 22, wherein the polystyrene includes carbon.
24. The carrier reel according to claim 17, wherein the flange portion is formed of polystyrene or a recycling material having the same quality (must use term that indicates what does "quality" is intended to mean here).
25. The carrier reel according to claim 24, wherein the polystyrene includes carbon.
26. A carrier reel, comprising:
a winding drum portion, which winds a carrier tape, wherein the carrier tape accommodates a plurality of semiconductor devices therein;
a first accommodating portion, which accommodates a drying agent and is formed in the winding drum portion.
27. The carrier reel according to claim 26, further comprising:
a pair of flat plates connected with the winding drum portion and arranged in substantially parallel to each other, wherein the winding drum portion is disposed between the flat plates.
28. The carrier reel according to claim 27, further comprising:
a bearing portion formed in a center of the winding drum portion and perpendicular to a surface of the flat plate.

29. The carrier reel according to claim 28, further comprising:
a second accommodating portion, which accommodates a drying agent and is
formed in the winding drum portion, wherein the second accommodating portion is disposed
symmetrically with respect to said bearing portion.
30. The carrier reel according to claim 26, wherein the electronic component is a
semiconductor device sealed by resin.
31. The carrier reel according to claim 26, the electronic component is easily
affected by humidity.
32. The carrier reel according to claim 26, wherein the winding drum portion is
formed of polystyrene or a recycling material having the same quality.
33. The carrier reel according to claim 32, wherein the polystyrene includes carbon.
34. The carrier reel according to claim 27, wherein the flat plate is formed of
polystyrene or a recycling material having the same quality.
35. The carrier reel according to claim 34, wherein the polystyrene includes carbon.

REMARKS

Claims 1-15 have been canceled and new claims 16-35 have been added. Please enter the Preliminary Amendment prior to calculating the filing fee. Examination of the amended application is respectfully requested.

Respectfully submitted,

February 28, 2002
Date

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